**Comparing Traits**

1. Study the different characteristics shown below and determine which of these traits you show – use this information to fill in the first column of the table (over the page)
2. Tally the rest of the class – how many people show each trait? Use this information to fill in the second column of the table (no. of people with the trait divided by total number of people).
3. **Homework:** survey your family to complete the last two columns in the table – state how many members in your family were surveyed, determine the total number of people in your family with the trait and the percentage of people your family with each trait.

|  |  |  |  |
| --- | --- | --- | --- |
| **Tongue Rolling**  (rolling is dominant) | http://www.biologyjunction.com/images/images23.jpgCan roll tongue  http://www.biologyjunction.com/images/images22.jpgCan’t roll tongue | **Widow’s peak**  (peak is dominant) | Widow’s peak  Straight hairline |
| **Ear lobe attachment**  (free is dominant) | Attached Non-attached | **Hitchhiker’s thumb**  (straight is dominant) | http://www.biologyjunction.com/images/clip0030.jpg |
| **Bent little finger**  (straight is dominant) | http://www.biblenews1.com/hands/pictures/finger4bent.gif | **Dimples**  (dimples are dominant) | http://www.biologyjunction.com/images/Dimples20Deluxe1.jpghttp://www.biologyjunction.com/images/images44.jpg  Dimples No dimples |
| **Mid-digit hair**  (hair is dominant) | http://faculty.stcc.edu/BIOL102/images/labs/genetics/hairfinger.gif | **Hand clasping**  (left thumb over is dominant) | http://www.biologyjunction.com/images/clip0032.jpg  Left on top Right on top |
| **Cleft chin**  (cleft is dominant) | Cleft chin Non-cleft chin | **Darwin’s point**  (present is dominant) |  |

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| --- | --- | --- | --- | --- | --- |
| **Trait** | **You (Yes/No)** | **% with trait in class** | **No. of people in family** | **No. of people in family with trait** | **% with trait in family** |
| Can roll tongue |  |  |  |  |  |
| Has widow’s peak |  |  |  |  |  |
| Has free ear lobes |  |  |  |  |  |
| Has straight thumb |  |  |  |  |  |
| Has straight little finger |  |  |  |  |  |
| Has dimples |  |  |  |  |  |
| Has mid-digit hair |  |  |  |  |  |
| Left thumb on top of clasped hands |  |  |  |  |  |
| Has cleft chin |  |  |  |  |  |
| Has Darwin’s point |  |  |  |  |  |